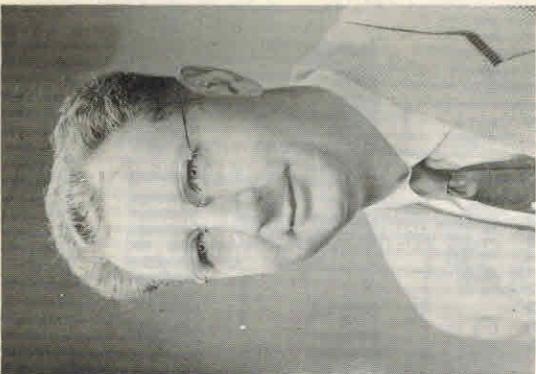
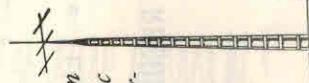


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Gene
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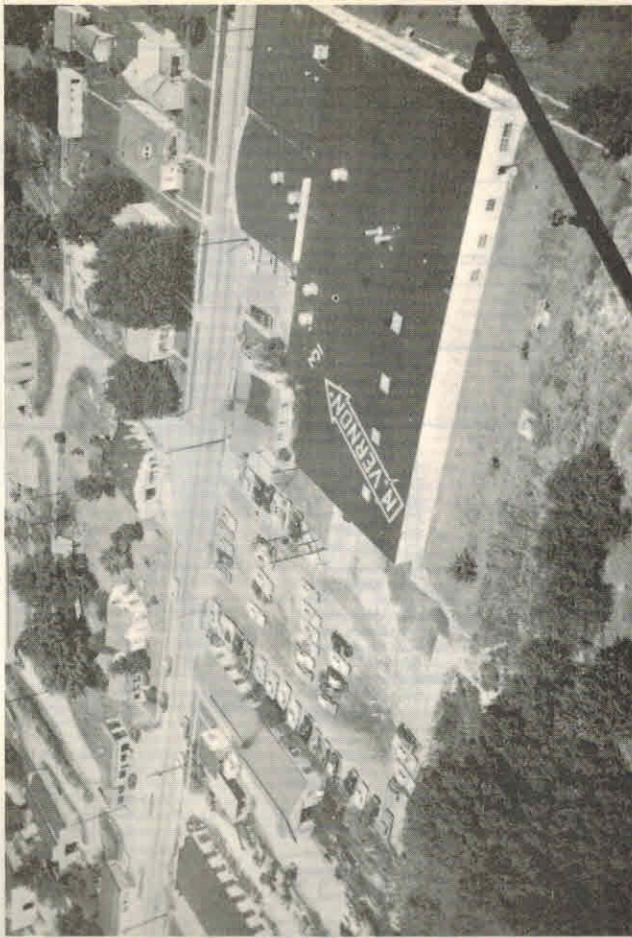
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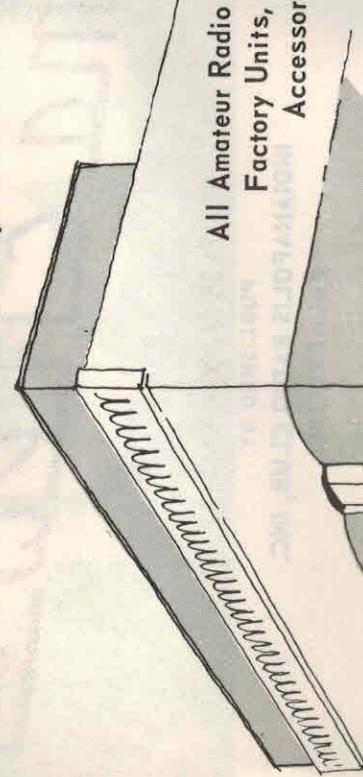
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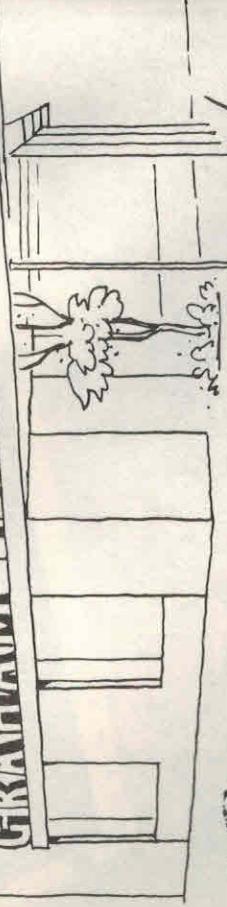


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PLENTY OF FREE PARKING

The Indianapolis Radio Club meets on the second and fourth Fridays of each month except July and August in the Indianapolis Park Board Building at 29th and Harding Streets. Meetings start promptly at 8 p.m. EST.

AMA-CHEWER STAFF

| | | |
|-----------|--------------------------------------|--------------------|
| PRESIDENT | Jerry Lucas 7830 Melbourne Road | W9ARJ AX 1-0372 |
| EDITOR | Marshall Lincoln 3514 North Riley | K9KTL LI7-8148 |
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Ama-Chewer is published monthly by and for the I.R.C. and all amateurs in the Indianapolis area. Non-members may subscribe for \$1.00 a year.

Publication is on the third Friday of each month, with all news items and ads due no later than the first Friday of each month.

Ham Ads (5 line limit) are free to members and subscribers. Others may submit ads for 50 cents each.

Ama-Chewer welcomes the forwarding of information on coming events and activities of other clubs for publication.

* * * * *

First of all, I would like to express my appreciation and thanks to the club members for the overwhelming majority I received in the recent election. (Let's overlook the fact that I had no opponents.

Seriously though, I want to do the best job for the club, during the coming year, of which I am capable. The future of the club, however, depends not so much on what the President or any of the other officers do, but on what you as members do.

I have heard comments that the club is dominated by a clique, and I have heard this said about every club or organization to which I have ever belonged. I suppose that to some extent this is true, but I think that the so-called clique in most clubs is composed not of members who want to dominate the club, but rather of the members who are willing to work.

So if you think the club is run by a clique, try volunteering for a job, persuading a friend to join, scare up a humdinger of a program, or even tell one of the officers what you would like to hear on future programs, and join the clique. Maybe we can make this clique include every club member, and you just can't hardly beat that combination.

* * * * *

QSL BUREAU

Still waiting for some of your DX cards? Have you done your part in getting them? This includes keeping a stamped, self-addressed envelope at the QSL bureau so the volunteer ham workers there can send you any DX cards they receive for you.

The W9-K9 QSL bureau manager is Ray P. Birren, W9MSG, Box 510, Elmhurst, Ill. Send your envelope, with your call letters in the upper left corner, to him. Foreign QSL cards addressed to you received at the bureau will be sent to you in your envelope. When you get a batch, send back another envelope right away to replace the one just used.

On the cover of this month's Ama-Chewer is an airmarker of the type being painted on the roofs of buildings in towns over Indiana through the efforts of the Ninety-Nines, women's pilot organization, and other aviation-minded groups. Such markers serve as navigation aids for light plane pilots. The Ninety-Nines have asked the IRC to coordinate state-wide communications between hams on the day of a "penny-a-pound airlift" to raise money for the airmarking project. The first session of this net operated Sunday, Dec. 29, on 50.55 mc. Walt Smith, WA9BHV, was net control, and contacted 29 stations in 19 cities, mostly in central Indiana.

Response, both on the air and in the mail, has been encouraging, as far as out-of-town stations are concerned. However, considering how many members of the IRC operate on six meters, the local participation was surprisingly small. It is hoped that more IRC members will participate in the next drill to assist the net control station operator.

Additional drills will be held in coming weeks with definite stations out in the state to be assigned as relay stations to handle traffic to and from points out of range from Indianapolis. Cities we want to concentrate on are: Angola, Bloomington, Connersville, Decatur, Evansville, Ft. Wayne, FRANKLIN, Gary, Griffith, Greencastle, Kokomo, Lafayette, Muncie, Mt. Vernon, Vincennes, Warsaw and Westfield. If you're talking to anyone in any of these cities, tell them of the project and ask them to contact K9KTL to be put on a mailing list. We already have stations lined up in some of these locations, but we can always use additional ones for standby purposes. On the day of the airlift, in April, we will need a base station and a separate mobile station at each of these points.

You will note Franklin is in capital letters above. That's to call attention to the need for a Franklin station, probably one that operates six meters, that can be available regularly during the coming weeks to handle special traffic for the Ninety-Nines. One of their key persons is in Indianapolis and another is in Franklin. They would greatly appreciate being able to move traffic between these two cities frequently by ham radio. If anyone knows of a Franklin station that might be available, please notify K9KTL.

Official Bulletin Number 927

Announcement is hereby made of the addition to the ARRL countries list of the International Telecommunications Union Headquarters at Geneva, Confirmations for contacts with the ITU Headquarters at Geneva may be submitted for DXCC credit starting April 1, 1964. See February 1964 QST for further information.

Official Bulletin Number 928

To assist amateurs serving as volunteer examiners for the FCC Conditional, Technician, and Novice tests, ARRL has prepared Form S-45, Certificate of Volunteer Examiner. Form S-45 meets all the requirements of the letter which examiners are expected to write when asking the FCC office in Gettysburg for test papers under the new rules. Copies of the form are being sent to all ARRL Affiliated Clubs. Amateurs expecting to serve as examiners may send a self-addressed envelope for copies to the Secretarial Department, ARRL, Newington, Connecticut 06111.

Official Bulletin Number 929
All amateurs in the ARRL Field
take part in the annual Novice
through February 16. The license
be awarded a certificate of
QST has all details on how to
Roundup. Send a postal card
contest log forms and a map
your requests to the ARRL Com-
Street, Newington, Connecticut.

Official Bulletin Number 930
On December 31, the Court of
Appeals in Chicago ordered a sixty day
date for FCC license application
temporary postponement to pending
court on the subject of fees
until March one or further notice.

As a result, the \mathbf{A}_1 matrix is a sparse matrix with a bandwidth of 3, and the \mathbf{A}_2 matrix is a sparse matrix with a bandwidth of 2.

Support the ARRL, which supports your interests in ham radio. Let's make the TBC a 100% League member club.

From Popular Science magazine, 1963:
"Not long ago Mr. Marconi invented a telegraphic instrument based upon his discovery that the magnetic hysteresis can be annulled by electric oscillations. A single wave train of waves received by the instrument's aerial will express itself as an audible tick in a telephone connected to it. If several groups of closely adjacent wave trains are sent, they will be heard as a short continuous noise equivalent to the Morse dash."

"It was by means of this remarkably ingenious instrument that Mr. Marconi was able to detect the waves sent across the Atlantic from power stations in Nova Scotia, Canada, and from Cape Cod, Mass.

"There can be no question that Mr. Marconi's magnetic detector is the most sensitive device yet invented for the detection of Hertzian waves."

Interesting reading in these days when any of us can flick a switch and talk around the world, by voice, from the comfort of our living room.

GRAHAMS SPECIALS OF THE MONTH

Support the ARRL, which supports your interests in ham radio. Let's make the TBC a 100% League member club.

HAM RADIO AT THE BLIND SCHOOL
By Bob Caskey W9DNQ

circuit diagrams using a sewing machine to emboss symbols the blind youngsters could read.

The recent trip of two of the pupils of the Indiana School for the Blind to the Federal Building to take the test for a General class license was another step forward in amateur activities at the school. This will be the first time that a General license has been issued to one of the pupils while he was still attending school. This article is a report on the activities at the school that have resulted from the IRC helping secure amateur licenses for these youngsters.

In the beginning, Dr. Rosenbaum contacted the club and suggested the IRC sponsor amateur radio at the school. A committee consisting of Alvey Pittman, W9JJC; Doyal McVickers, W9JZV; Bob Osterhous, W9PSE, and this writer was selected to look into the possibilities.

At the start of the fall, 1960, school year, contact was established with Durward Hutchinson of the school and subsequent meetings set up the classes. About 35 pupils said they were interested, and the project was started. Gradually the group dwindled to about 10 during the school year.

For the start of the program, Pat Husk, K9EUQ; Jerry Lucas, W9APJ; Osterhous, Pittman, McVickers and myself took turns teaching code and theory on Monday and Wednesday nights. Leads were followed up when we would learn of someone who had taught blind persons. John Yochum, W9URQ, Princeton, had taught Bud Morris, a blind youngster, and he told of his experiences and of the Braille edition of the License Manual. The copy Bud, now K9HKL, had used was secured from Fay Gehres, W9AIN, Evansville, where it had been used under similar circumstances.

Of the initial group, four took the Novice test the spring of that school year, and all passed. They were Kay Houchin, KN9ZGA, Mitchell; Harriett Heiny, KN9ZGD, Anderson; Raymond Warren, KN9ZGR, Dayton, and Steven Speicher, KN9ZEP, Indianapolis. All but Steve were seniors and were graduated in May, 1961.

In the 1961-62 school term, the number of teachers dropped due to other activities. Osterhous and myself still taught, and were joined by Jim Rees, then KN9YKH. Jim got a slate and stylus and made name plates for equipment, then made up

During this period Steve Speicher got his Technician license, and a Communicator II was added to the station. Also during this year Bobby Easterling received his Novice call WN9CSP, and Keith Reedy got his call WN9DRO. Still later in the year Bruce LeMond got WN9CYG. About the middle of the school year June Davis, K9DNK, became a teacher and has filled in when Jim had to be absent because of golf course work. Dick Kinnett, K9VIE, also joined the teaching group. In August, 1962, we learned that Bruce had taken a Technician test from his friends in Anderson and had the call WA9CYG as well as his Novice call. In the fall, Keith Reedy came through with his Technician license, WA9DRO. Bruce and Keith are the ones who recently passed their General exams. David Kline took the Novice test at the end of the 1962 school year, but due to a slip up, he did not receive his license until the start of the fall term. His call is WN9JPW, and he is now getting on the air on 80 meters.

Through all the period described above, numerous members and friends of the IRC have contributed equipment and components of all types for the use of the blind pupils. To mention all the names of contributors would be risky; there have been so many some might be overlooked. The effort which the pupils put into their studies of theory and code show that they do appreciate what local hams have done to help them earn an amateur license.

(Just before press time it was learned that members of the Wabash Valley Amateur Radio Association have given Keith a Johnson transmitter.)

* * * * *

FOR SALE

Seven new 304T1s and three 810s \$10 each. New PE 103 dynamotor \$15. 2500V 400 ma transformer \$25. 1000-2000-3000 V 1 KW transformer \$30. Four radio technical books \$2 each. Nobe Watson W9WE ST 6-8512.

OBSERVERS NEEDED

Experienced amateur operators can help their fellow hams and advance the general state of ham radio by participating in the Official Observer program. Observers use printed forms supplied by the ARRL to notify other hams of poor signal conditions, and other FCC rule violations. Observers are not policemen nor censors. Their function is purely to provide friendly notice to hams who often are unaware they are violating an FCC rule. With increasing numbers of hams on the air, many with not too much technical experience, it's natural that more rule violations are occurring. You can help these fellow hams before they get in trouble with the FCC by devoting a portion of your operating time to observing duties. For information and applications, contact the Indiana Section Communications Manager, Ernie Nichols, RFD 7, Box 11, Bloomington.

* * * * *

XYL CLUB

The second regular meeting this year will be Feb. 21 at the home of Katy Bowman (XYL of Tony, W9EIR), 4139 Winthrop. The program will be a book report. If you would like to attend, call her (WA 6-3781) or Linda McFarling (WA 6-2770) to let them know so a place will be reserved for you. (A potato in the pot, so to speak)

* * * * *

VAN SICKLES SPECIALS OF THE MONTH

| | | |
|--------------------------------------|-----------|----------|
| NEW National NC 60.....SPECIAL | • • • • • | \$ 49.00 |
| NEW National NC 270 | • • • • • | \$179.00 |
| Hallicrafter SX-140...LIKE NEW | • • • • • | \$ 79.00 |
| Hallicrafter SX 110. . . . LIKE NEW | • • • • • | \$ 99.00 |
| \$395 B & W 5100 Transmitter | • • • • • | \$195.00 |
| \$375 B & W 1 KW Linear | • • • • • | \$185.00 |
| \$495 Hallicrafter HT-37 SSB Exciter | • • • • • | \$389.00 |
| E. F. Johnson Valiant Xmtr.. | • • • • • | \$249.00 |
| E. F. Johnson Viking II | • • • • • | \$139.00 |

FUTURE IRC PROGRAMS

Feb 14 Correct operating procedures by Harry Smith, W9RT; Claude Richie, W9TKV; Ed Ward, K9CRS, and Marshall Lincoln, K9KTL.

Feb 28 Earl W. Springer, W9HTB, on "Pulse Techniques as Used in Air Traffic Control"

Mar 27 Dick Judkins on transistor ignition systems

May 8 Home Brew night

May 22 Auction

June 21 Field Day

CHRISTMAS PARTY

By Alvey Pittman W9JJC

The IRC Christmas party was in the regular meeting room on Dec. 20. Even with zero weather that night, more than 40 XYLs, OM's and children attended and made it a pleasant event. Johnny Jones, party chairman, supplied Christmas music (records). Early in the evening turmoil started with "What's My Name", a contest in which everyone was tagged on the back with the name of a TV personality. Each person tried to learn who he was by asking questions. Lots of fun, especially when Pat found he was Zsa Zsa.

One of the highlights of the evening was a duel between two quartets singing Silent Night. After a close decision on the applause meter the winners were awarded pipes...with bottles of soap bubble solution. A gift exchange was followed by everyone singing Silent Night.

Dick Kinnett did a fine job again with Christmas cookies, candy and coffee. It seemed everyone had a good time and enjoyed the evening. If you missed it, come next year.

At a meeting at the Red Cross chapter house Monday, Jan. 6, officers were elected for the new Red Cross Amateur Radio Club. Several preliminary meetings have resulted in the writing of a constitution and the procurement of the transmitter, receiver, antenna and accessories for the complete station to be installed in a large comfortable communications trailer at the rear of the chapter house on Meridian Street. The trailer is air conditioned and has an oil heater.

Invitations have been extended, through Cliff Singer, to all radio clubs in Indianapolis for members to attend to make this a joint effort. Future Plans will center on disaster communication training and net operation.

Officers are:
 President Cliff Singer W9SWD
 Vice-Pres. John Jones W9FZW
 Secretary Richard Owens K9OFG
 Treasurer Alvey Pittman W9JJC
 Chief Op George Lone K9CBY
 Trustee Ron Williams W9JVF

Eligible interested operators are requested to contact Cliff for details. There will be no dues! (Leave it to Alvey to get elected treasurer of an outfit with no money.)

* * * * *

PUZZLES AND ANSWERS

The answer to last month's puzzle, asking for the voltage across a power supply, is 70 volts. Ray Forbes, W9HNS, submitted the only correct answer. He also submitted this puzzle for you to test your knowledge of ham radio.

Design a final amplifier tank coil for 80 meters, using a coil form $1\frac{1}{2}$ inches in diameter with a winding length of $2\frac{1}{2}$ inches. The Q of the coil is to be 12, and the final amplifier current will be 200 mils at 750 volts. What size condenser is needed, and how many turns on the coil?

After you get that one figured out, try figuring coils for 40, 20 and 10 meters, using the same plate current and voltage, and the same Q and coil dimensions.

Amateur examinations will be given by the FCC in room 526, Federal Building, Indianapolis, beginning at 9 a.m. Feb. 14. Must be completed by 2 p.m. If you intend to appear for examination, notify Chicago FCC office in advance and request necessary forms. LICENSE FEES POSTPONED! See ARRL bulletin on page 4.

* * * * *

COMING ACTIVITIES

(Dates are in GMT)

| | | | |
|---------------|-------------------------------|--------------|--------------------------------------|
| Officers are: | President Cliff Singer W9SWD | Jan 11-13 | CD (Communications Dept.) Party (CW) |
| | Vice-Pres. John Jones W9FZW | Jan 17 | Code proficiency qualifying run W1AW |
| | Secretary Richard Owens K9OFG | Jan 18-19; | 25-26 VE1 Contest |
| | Treasurer Alvey Pittman W9JJC | Jan 18-20 | CD Party (phone) |
| | Chief Op George Lone K9CBY | Jan 25-26 | CQ World Wide 160 meter contest |
| | Trustee Ron Williams W9JVF | Jan 25-27 | New Mexico Party |
| | | Jan 25-26 | French CW contest |
| | | Feb 1-16 | Novice Roundup |
| | | Feb 6 | CP Qualifying run W60WP |
| | | Feb 8-9 | DX competition (phone) |
| | | Feb 8-10 | NYC-LI QSO Party |
| | | Feb 14 | Frequency measuring test |
| | | Feb 14-16 | QCWA Party |
| | | Feb 15 | CP Qualifying Run W1AW |
| | | Feb 15-16 | B E R U |
| | | Feb 15-16 | Vermont party |
| | | Feb 22-23 | DX competition (CW) |
| | | Feb 29-Mar 1 | YL-OM Phone contest |
| | | Feb 29-Mar 1 | French phone contest |
| | | Mar 14-15 | DX competition (phone) |
| | | Mar 14-15 | YL/OM CW contest |
| | | Mar 23 | Pakistan DX contest |
| | | Mar 28-29 | DX competition (CW) |
| | | Apr 11-12 | CQ World Wide DX SSB contest |
| | | June 13-14 | VHF QSO party |
| | | June 27-28 | Field Day |

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